

# Umetco Minerals Corporation

AUG 5 1986



PO BOX 66 137 47th STREET • NIAGARA FALLS NEW YORK 14302

July 31, 1986

Dr. F. J. Bradley  
Principal Radiophysicist  
New York State Department of Labor  
Division of Safety and Health  
Radiological Health Unit  
One Main Street - Room 813  
Brooklyn, NY 11201

Subject: Umetco Mineral Corporation  
Niagara Falls, NY

Dear Dr. Bradley.

Low level radioactive vanadium bearing slag and ilmenite referred to in my letter to you of May 15, 1986 has been disposed of at the SCA Hazardous Waste Disposal Site. A copy of the Waste Manifest form and the approved invoices are enclosed

Very truly yours,

Dr. D. J. Hansen

mau/  
Enclosures

cc Messrs.  
✓ J. F. Frost  
T. J. Kagetsu  
R. F. Kelly  
F. V. McMillen  
D. G. Millenbruch

UCCNHT0003330

# Umetco Minerals Corporation



PO BOX 578 4625 ROYAL AVENUE • NIAGARA FALLS NEW YORK 14302

May 15, 1986

Dr. F. J. Bradley  
Principle Radiophysicist  
New York State Department of Labor  
Room 813  
One Main Street  
Brooklyn, NY 11202

Subject Umetco Minerals Corporation, Niagara Falls, NY

Dear Dr Bradley

In our phone conversation of Tuesday, May 13 we discussed disposal of two low level radioactive materials that were discovered in a radiation survey of the Umetco property in Niagara Falls, NY. The first was illmenite sand (an iron titanium ore) that had been used to backfill a 10' x 10' concrete pit. The second was an isolated quantity of slag (calcium-aluminum oxide) from the furnacing of ferrovanadium. The illmenite sand was removed from the pit and currently is contained in 125 (one hundred twenty-five) 55-gallon drums. I would estimate total weight at approximately 40 to 50 tons. The slag is in lumps in a pile that I would estimate to contain 50 to 75 tons. Analyses of the materials are presented in the following Table 1.

TABLE 1

## Radiochemical Analyses of Samples From the Niagara Plant

<u>Description</u>	<u>Analyses</u>				
	<u>URANIUM SERIES</u>			<u>THORIUM SERIES</u>	
	<u>Uranium</u> <u>µg/g</u>	<u>Th-230</u> <u>pCi/g</u>	<u>Ra-226</u> <u>pCi/g</u>	<u>Th-232</u> <u>pCi/g</u>	<u>Th-228</u> <u>pCi/g</u>
Illmenite Sand - Top of Pit	28.9	12±2	19±2	16±2	17±2
Illmenite Sand - 7' in Pit	44.3	22±2	31±3	37±2	39±3
Dark Slag-Yard East of Fce. Bldg	20.2	299±7	4.4±1.1	16±2	4±9
Light Slag-Yard East of Fce. Bldg	18.6	466±9	7.0±1.4	37±3	14±2

Industrial Code Rule 38, Table 5 "Limits for Uncontrolled Areas" limits source material to 0.05 percent by weight (500 µg/g or 500 ppm). For Thorium 232 this converts to 55 pCi/g. The concentrations of Th-232 reported in picocuries in Table 1 were converted to µg/g and added to the weight of Uranium to determine the total source material present. This is shown in Table 2.

UCCNHT0003331

The gamma radiation measured at the surface during excavation of the pit and within the slag pile is also reported in Table 2.

TABLE 2

Weight of Source Material

<u>Sample</u>	<u>Uranium μg/g</u>	<u>Th-232 μg/g</u>	<u>Total Source Material μg/g</u>	<u>Gamma Radiation μR/hr*</u>
Illmenite-Top of Pile	28 9	145.5	174.4	170
Illmenite-7' In Pit	44 3	336.4	380.7	150
Dark Slag	20.2	145 5	165 7	150
Light Slag	18.6	336 4	355.0	200

\*Ludlum Model 19 Micro R Meter - Reading at Surface

As we discussed the total source material in both materials is less than 500 μg/g, the limit for uncontrolled areas and the radiation is less than 250 μR, the limit for fixed surface contamination

Although technically the material was not sufficiently radioactive to be controlled you convinced me that it was not a good idea to use it to fill a low area in the yard. If this were done then a rider would have to be appended to the lease that would restrict future building. Since this is not an attractive option I propose to dispose of both the slag and illmenite in a local hazardous waste repository.

Unless I misunderstood, you did not voice an objection to this during our phone conversation. Therefore, I plan to immediately begin the paper work to initiate this course of action. However I will not remove anything from the property before June to allow you time to reconsider. I will not expect to hear from you unless you disapprove.

I enjoyed talking to you on Monday and I want to thank you again for the assistance you provided

Sincerely



D. J. Hansen  
Assistant Director - Technology

cc: Messrs.  
R. F. Kelly  
R. G. Beverly  
F. V. McMillen

Blind Copies: Messrs:  
J. F. Frost  
T. J. Kagetsu  
D. G. Millenbruch  
R. L. Miller  
W. D. Smith  
C. T. Wentzel

UCCNHT0003332



STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID AND HAZARDOUS WASTE

## HAZARDOUS WASTE MANIFEST

P O Box 12820, Albany, New York 12212

Form Approved OMB No 2000-0404 Expires 7 31 86

Please print or type

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1 Generator's US EPA No <b>WYD094171154</b>		Manifest Document No		2 Page 1 of 1		Information in the shaded areas is not required by Federal Law					
3 Generator's Name and Mailing Address <b>UMETCO MINERALS CORP 137 4TH ST NIAGARA FALLS, N.Y. 14303</b>						A State Manifest Document No <b>NY A 399273 6</b>							
4 Generator's Phone <b>(716) 278-3573</b>						B Generator's ID <b>SAME</b>							
5 Transporter 1 (Company Name) <b>BUFFALO FUEL CORP.</b>						C State Transporter's ID <b>MS0403 NY</b>							
6 US EPA ID Number <b>WYD051809952</b>						D Transporter's Phone <b>(716) 773-4211</b>							
7 Transporter 2 (Company Name)						E State Transporter's ID							
8 US EPA ID Number						F Transporter's Phone ( )							
9 Designated Facility Name and Site Address <b>SPA CHEMICAL SERVICES 1550 BALMAIN RD MIDDEL CITY, NY 14107</b>						G State Facility's ID							
10 US EPA ID Number <b>WYD049836679</b>						H Facility's Phone <b>(716) 754-8231</b>							
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12 Containers		13 Total Quantity		14 Unit		15 Waste No.	
a <b>HAZARDOUS WASTE SOLID AUS ORM-E NA9189</b>						No. <b>44</b>		Type <b>DM35000P</b>		Wt/Vol		Waste No. <b>0005 0007 0009</b>	
b													
c													
d													
J Additional Descriptions for Materials listed Above <b>Titanium Oxide</b>						K Handling Codes for Wastes Listed Above a <input checked="" type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d <input type="checkbox"/>							
15 Special Handling Instructions and Additional Information <b>F60593 WO 106739</b>						<b>Invoice Tech Service All Dates 5-3-11</b>							
16 GENERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment storage or disposal currently available to me which minimizes the present and future threat to human health and the environment													
Printed/Typed Name <b>Albert M Gomes</b>						Signature <b>Albert M Gomes</b>						Mo Day Year <b>1 6 4 9 8 6</b>	
17 Transporter 1 (Acknowledgement of Receipt of Materials)													
Printed/Typed Name <b>JULIAN GIFFS-LIER</b>						Signature <b>John A. Lier</b>						Mo Day Year <b>1 6 1 1 9 8 6</b>	
18 Transporter 2 (Acknowledgement or Receipt of Materials)													
Printed/Typed Name						Signature						Mo Day Year	
19 Discrepancy Indication Space													
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19													
Printed/Typed Name <b>Donna J Ames</b>						Signature <b>Donna J Ames</b>						Mo Day Year <b>0 6 2 0 1 5</b>	

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID AND HAZARDOUS WASTE

## HAZARDOUS WASTE MANIFEST

P O Box 12820, Albany, New York 12212

Form Approved OMB No. 2000-0404 Expires 7 31 86

Please print or type

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1 Generator's US EPA No <b>NY40094171154</b>		Manifest Document No		2 Page 1 of 1		Information in the shaded areas is not required by Federal Law					
3 Generator's Name and Mailing Address <b>UNITED Movers Corporation 137-47th St NICEVILLE FL, NY 14303</b>				A State Manifest Document No <b>NY A 399272 5</b>									
4 Generator's Phone (716) 278 3373				B Generator's ID <b>SAME</b>									
5 Transporter 1 (Company Name) <b>BUFFALO FUEL CORP.</b>				6 US EPA ID Number <b>NY40051809952</b>		C State Transporter's ID <b>NY4035 N.Y.</b>							
7 Transporter 2 (Company Name)				8 US EPA ID Number		D Transporter's Phone (716) 773-4421							
9 Designated Facility Name and Site Address <b>SOA Chemical Service 1550 2nd Ave Model City, N.Y. 14101</b>				10 US EPA ID Number <b>NY40049836679</b>		E State Transporter's ID							
						F Transporter's Phone ( )							
						G State Facility's ID							
						H Facility's Phone (716) 754 8231							
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12 Containers		13 Total Quantity		14 Unit		15 Waste No.	
						No. Type							
						a <b>HAZARDOUS Waste Solid, NOS</b>		<b>036</b>				<b>0005</b>	
						<b>OR11-E NA9189</b>		<b>0700M30000P</b>				<b>0007</b>	
												<b>0009</b>	
J Additional Descriptions for Materials listed Above						K Handling Codes for Wastes Listed Above							
a <b>Iron filings Ore</b>						a <input checked="" type="checkbox"/> L <input type="checkbox"/>							
b						b <input type="checkbox"/> <input type="checkbox"/>							
c						c <input type="checkbox"/> <input type="checkbox"/>							
d						d <input type="checkbox"/> <input type="checkbox"/>							
15 Special Handling Instructions and Additional Information a <b>F 60593</b> <b>WO# 106738</b> <b>Invoice Tech Service</b> <b>All Units 55 Gallons</b>													
16 <b>GENERATOR'S CERTIFICATION</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment storage or disposal currently available to me which minimizes the present and future threat to human health and the environment													
Printed/Typed Name <b>Albert M. Gomas</b>				Signature <b>Albert M. Gomas</b>				Mo Day Year <b>6/19/86</b>					
17 Transporter 1 (Acknowledgement or Receipt of Materials)				Signature <b>Clarence E. Yancey Jr</b>				Mo Day Year <b>6/19/86</b>					
Printed/Typed Name <b>Clarence E. Yancey Jr</b>				Signature <b>Clarence E. Yancey Jr</b>				Mo Day Year <b>6/19/86</b>					
18 Transporter 2 (Acknowledgement or Receipt of Materials)				Signature				Mo Day Year					
Printed/Typed Name				Signature				Mo Day Year					
19 Discrepancy Indication Space													
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19													
Printed/Typed Name <b>PHYLLIS A CONWELL</b>				Signature <b>Phyllis A. Conwell</b>				Mo Day Year <b>10/6/86</b>					

EPA Form 8700 22 (Rev 4-85) Previous edition is obsolete

COPY 3—Generator—mailed by TSD facility

UCCNHT0003334

In case of emergency or spill immediately call the National Response Center (800) 424 8802 and the N.Y. Department of Transportation (518) 457 7362

NYA 399272 5



DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P O Box 12820, Albany, New York 12212

Form Approved OMB No 2000-0404 Expires 7 31 86

Please print or type

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA No	Manifest Document No	2 Page 1 of 1	Information in the shaded areas is not required by Federal Law	
3 Generator's Name and Mailing Address		METCO Minerals Corp. 137-47th STREET MAY 10 FHS, NY 14303		A. State Manifest Document No NY A 359270 3		
4 Generator's Phone		761 278-3573		B. Generator's ID Same		
5 Transporter 1 (Company Name)		6 US EPA ID Number		C. State Transporter's ID		
Buttolo Fuel Company		NYD051809952		D. Transporter's Phone		
7 Transporter 2 (Company Name)		8 US EPA ID Number		E. State Transporter's ID		
9 Designated Facility Name and Site Address		10 US EPA ID Number		F. Transporter's Phone		
SLAC Chemical Services 1550 Balmer Road MAY 10 FHS, NY 14107		WYD049836679		G. State Facility's ID Same		
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12 Containers		13 Total Quantity	14 Unit	15 Waste No.
a. Hazardous waste solid NOS ORME NA 9124		No. Type		001 D T 000 20 T		P120
b.						
c.						
d.						
J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above				
a. FL0590		b. L				
c.		d.				
15 Special Handling Instructions and Additional Information		w/o 106734				
16 GENERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment storage or disposal currently available to me which minimizes the present and future threat to human health and the environment						
Printed/Typed Name		Signature		Mo Day Year		
Albert M Gonas		Albert M Gonas		6 1 8 86		
17 Transporter 1 (Acknowledgement of Receipt of Materials)		Signature		Mo Day Year		
Printed/Typed Name		Jeff Rehm		06 18 86		
18 Transporter 2 (Acknowledgement or Receipt of Materials)		Signature		Mo Day Year		
Printed/Typed Name						
19 Discrepancy Indication Space						
Actual qty rec'd 42,000 lbs						
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19						
Printed/Typed Name		Signature		Mo Day Year		
PHYLLIS A. CONWELL		Phyllis A. Conwell		06 18 86		



STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID AND HAZARDOUS WASTE  
**HAZARDOUS WASTE MANIFEST**  
P O Box 12820, Albany, New York 12212

Form Approved OMB No 2000-0404 Expires 7 31 86

Please print or type

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA No	Manifest Document No	2 Page 1 of	Information in the shaded areas is not required by Federal Law	
3 Generator's Name and Mailing Address <b>AMETCO Mineral Corp</b> <b>137-47th Street, Niagara Falls, NY 14303</b>		1 Generator's US EPA No <b>NYD094171154</b>		A State Manifest Document No <b>NY A 399265 7</b>		
4 Generator's Phone <b>(716) 278-3573</b>		6 US EPA ID Number <b>NYD051809952</b>		B Generator's ID <b>SAME</b>		
5 Transporter 1 (Company Name) <b>Buffalo Fuel Company</b>		8 US EPA ID Number		C State Transporter's ID <b>W69912</b>		
7 Transporter 2 (Company Name)		10 US EPA ID Number		D Transporter's Phone <b>(716) 773 1721</b>		
9 Designated Facility Name and Site Address <b>SCA Chemical Services</b> <b>100 E. Main Road</b> <b>Model City, NY 14107</b>		10 US EPA ID Number <b>WYD049236679</b>		E State Transporter's ID		
				F Transporter's Phone ( )		
				G State Facility's ID <b>SAME</b>		
				H Facility's Phone <b>(716) 754-8231</b>		
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12 Containers	13 Total Quantity	14 Unit	15 Waste No.	
		No.	Type	Wt/Vol		
a <b>Hazardous waste solid, NO ORME NA 9129</b>		<b>001</b>	<b>DT</b>	<b>00020</b>	<b>T P120</b>	
b						
c						
d						
J Additional Descriptions for Materials listed Above		K Handling Codes for Wastes Listed Above				
a <b>F60590</b>		a <input checked="" type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d <input type="checkbox"/>				
b		b <input type="checkbox"/> c <input type="checkbox"/> d <input type="checkbox"/>				
15 Special Handling Instructions and Additional Information <b>w/o 106735</b>						
16 <b>GENERATOR'S CERTIFICATION</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA, I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.						
Printed/Typed Name <b>Albert M. Gonas</b>		Signature <i>Albert M. Gonas</i>		Mo Day Year <b>6 18 86</b>		
17 Transporter 1 (Acknowledgement of Receipt of Materials)		Signature <i>E. Wilson</i>		Mo Day Year <b>06 18 86</b>		
Printed/Typed Name <b>E. Wilson</b>		Signature <i>E. Wilson</i>		Mo Day Year <b>06 18 86</b>		
18 Transporter 2 (Acknowledgement or Receipt of Materials)		Signature <i>E. Wilson</i>		Mo Day Year <b>06 18 86</b>		
Printed/Typed Name <b>E. Wilson</b>		Signature <i>E. Wilson</i>		Mo Day Year <b>06 18 86</b>		
19 Discrepancy Indication Space <b>Actual qty rec'd 68,880 lbs</b>						
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19						
Printed/Typed Name <b>PHILLIS A. CONWELL</b>		Signature <i>Phyllis A. Conwell</i>		Mo Day Year <b>06 18 86</b>		



STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID AND HAZARDOUS WASTE  
**HAZARDOUS WASTE MANIFEST**  
P O Box 12820, Albany, New York 12212

Form Approved OMB No 2000-0404 Expires 7 31 85

Please print or type

UNIFORM HAZARDOUS WASTE MANIFEST		1 Generator's US EPA No	Manifest Document No	2 Page 1	Information in the shaded areas is not required by Federal Law	
3 Generator's Name and Mailing Address <b>UMETLOM, INC., CORPORATION</b> <b>137-47th STREET</b> <b>NY 114303</b>		4 Generator's Phone <b>716 278-2573</b>		A State Manifest Document No <b>NY A 399262 4</b>		
5 Transporter 1 (Company Name) <b>Buffalo Fuel Company</b>		6 US EPA ID Number <b>NY D 051809922</b>		B Generator's ID <b>Same</b>		
7 Transporter 2 (Company Name) <b>Buffalo Fuel Company</b>		8 US EPA ID Number <b>NY D 051809922</b>		C State Transporter's ID <b>Same</b>		
9 Designated Facility Name and Site Address <b>SCACHEM CO SERVICES</b> <b>1550 Balmer Road</b> <b>Madison City, NY 14107</b>		10 US EPA ID Number <b>NY D 049836674</b>		D Transporter's Phone <b>716 78-1121</b>		
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12 Containers		13 Total Quantity	14 Unit	15 Waste No
a <b>Hazardous waste solid NOS</b> <b>ORME NA 9189</b>		No. Type				
b						
c						
d						
J Additional Descriptions for Materials listed Above		K Handling Codes for Wastes Listed Above				
a <b>FLUOS 90</b>		b				
c		d				
15 Special Handling Instructions and Additional Information <b>W/O 106733</b>						
16 GENERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA, I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment.						
Printed/Typed Name <b>Albert M Gones</b>		Signature <b>Albert M Gones</b>		Mo Day Year <b>6/18/86</b>		
17 Transporter 1 (Acknowledgement of Receipt of Materials)		Printed/Typed Name <b>John Weaver</b>		Signature <b>John Weaver</b>		Mo Day Year <b>6/18/86</b>
18 Transporter 2 (Acknowledgement or Receipt of Materials)		Printed/Typed Name		Signature		Mo Day Year
19 Discrepancy Indication Space <b>Actual qty rec'd 40,500 lbs</b>						
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19						
Printed/Typed Name <b>Phyllis A Conwell</b>		Signature <b>Phyllis A Conwell</b>		Mo Day Year <b>6/18/86</b>		





STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID AND HAZARDOUS WASTE  
**HAZARDOUS WASTE MANIFEST**  
P O Box 12820, Albany, New York 12212

Form Approved OMB No 2000-0404 Expires 7 31 86

Please print or type

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1 Generator's US EPA No <b>NYD094171154</b>		Manifest Document No		2 Page 1 of		Information in the shaded areas is not required by Federal Law			
3 Generator's Name and Mailing Address <b>UMETCO MINERALS CORP. 137-47<sup>th</sup> ST NIAGARA FALLS, N.Y. 14303</b>						A. State Manifest Document No <b>NY A 399275-8</b>					
4 Generator's Phone (716) <b>278-3232</b>						B. Generator's ID <b>SAME</b>					
5 Transporter 1 (Company Name) <b>SCA CHEMICAL NYD049836679</b>						C. State Transporter's ID <b>369729VNL</b>					
6 Transporter 1 (Address) <b>BUFFALO RUST SERVICES NYD051009952</b>						D. Transporter's Phone (716) <b>773-1921</b>					
7 Transporter 2 (Company Name)						E. State Transporter's ID					
8 US EPA ID Number						F. Transporter's Phone ( )					
9 Designated Facility Name and Site Address <b>SCA CHEMICAL SERVICES 1550 BALMER RD MODEL CITY, N.Y. 14107</b>						G. State Facility's ID					
10 US EPA ID Number <b>NYD049836679</b>						H. Facility's Phone <b>716 754-8031</b>					
11 US DOT Description (Including Proper Shipping Name Hazard Class and ID Number)						12 Containers		13 Total Quantity		14 Unit	
						No. Type		Wt/Vol		L Waste No	
a <b>HAZARDOUS WASTE SOLIDS NOS ORM-E NA9189</b>						10 DM		8000 P		D005 D007 D009	
b											
c											
d											
J Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above					
a <b>IRON TITANIUM OXIDE</b>						c <input type="checkbox"/>					
b						d <input type="checkbox"/>					
15 Special Handling Instructions and Additional Information <b>WC 106806 F 60593</b>											
16 <b>GENERATOR'S CERTIFICATION</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA, I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment.											
Printed/Typed Name <b>Albert M. Gones</b>						Signature <b>Albert M. Gones</b>		Mo Day Year <b>10 6 12 08 6</b>			
17 Transporter 1 (Acknowledgement of Receipt of Materials)											
Printed/Typed Name <b>PHILIP W. RUESE</b>						Signature <b>Philip W. Rueser</b>		Mo Day Year <b>06 20 06</b>			
18 Transporter 2 (Acknowledgement or Receipt of Materials)											
Printed/Typed Name						Signature		Mo Day Year			
19 Discrepancy Indication Space											
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19											
Printed/Typed Name <b>Lynn Piechowski</b>						Signature <b>Lynn Piechowski</b>		Mo Day Year <b>06 20 06</b>			



STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID AND HAZARDOUS WASTE  
**HAZARDOUS WASTE MANIFEST**  
P O Box 12820, Albany, New York 12212

Form Approved OMB No. 2000-0404 Expires 7/31/86

Please print or type

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1 Generator's US EPA No <b>NYD094171154</b>		Manifest Document No		2 Page 1 of		Information in the shaded areas is not required by Federal Law			
3 Generator's Name and Mailing Address <b>UMERCO MINERALS CORP 137 97TH ST NIAAGARA FALLS, NY 14303</b>						A State Manifest Document No <b>NY A 399274 7</b>					
4 Generator's Phone (716) 278-3232						B Generator's ID <b>SAME</b>					
5 Transporter 1 (Company Name) <b>BUFFALO FUEL</b>						C State Transporter's ID <b>NY 4635 N.Y.</b>					
6 US EPA ID Number <b>NYD051809952</b>						D Transporter's Phone (716) 773 1921					
7 Transporter 2 (Company Name)						E State Transporter's ID					
8 US EPA ID Number						F Transporter's Phone ( )					
9 Designated Facility Name and Site Address <b>SCA CHEMICAL SERVICES 1550 BALMER RD MIDDEL CITY, N.Y. 14107</b>						G State Facility's ID					
10 US EPA ID Number <b>NYD049836679</b>						H Facility's Phone <b>(716) 754-8231</b>					
11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12 Containers		13 Total		14 Unit	
						No. Type		Quantity		Wt/Vol	
a <b>HAZARDOUS WASTE SOLID NOS ORM-C NA 9189</b>						36 DM		300.000		P	
b											
c											
d											
J Additional Descriptions for Materials listed Above <b>IRON TITANIUM OXIDE</b>						K Handling Codes for Wastes Listed Above					
a						b					
b						c					
c						d					
15 Special Handling Instructions and Additional Information <b>W O. 106 805 F 60593</b>											
16 <b>GENERATOR'S CERTIFICATION</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002 (b) of RCRA I also certify that I have a program in place to reduce volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment storage or disposal currently available to me which minimizes the present and future threat to human health and the environment											
Printed/Typed Name <b>Albert M. Gonas</b>						Signature <b>Albert M. Gonas</b>					
17 Transporter 1 (Acknowledgement of Receipt of Materials)						Mo Day Year <b>1 6 20 86</b>					
Printed/Typed Name <b>Clarence E. Yancey Jr</b>						Signature <b>Clarence E. Yancey Jr</b>					
18 Transporter 2 (Acknowledgement or Receipt of Materials)						Mo Day Year <b>1 6 20 86</b>					
Printed/Typed Name						Signature					
19 Discrepancy Indication Space											
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19											
Printed/Typed Name <b>PHYLLIS A. CONWELL</b>						Signature <b>Phyllis A. Conwell</b>					
						Mo Day Year <b>1 6 20 86</b>					



SCA  
CHEMICAL WASTE MANAGEMENT, INC.  
TECHNICAL SERVICE  
P.O. Box 200  
Model City, New York 14107

net 30 days

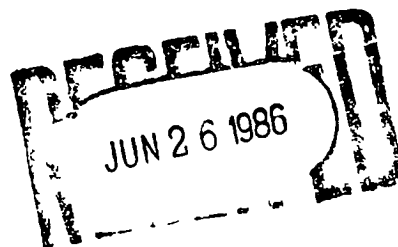
ALL PAST DUE AMOUNTS WILL BEAR IN  
TEREST AT TWO PERCENT PER MONTH OR  
THE MAXIMUM RATE ALLOWED BY LAW  
WHICHEVER IS LESS

Umetco Minerals Corporation  
Accounting Department  
P.O. Box 1029  
Grand Junction, Colorado 81502

CUSTOMER ACCOUNT NUMBER		
Ref. Cont. #250-07117		
INVOICE NUMBER	INVOICE DATE	PAGE
00556	6/20/86	

Disposal of 75.69 tons of vanadium slag removed from  
the Umetco site located at 137 47th St., Niagara Falls, NY  
on June 18, 1986

*1/3/86 received for payment  
D Hoffman 7/3/86  
Charge # 34522-20351*



REMIT TO  
ADDRESS

P.O. Box 8000 Dept. 660  
Buffalo NY 14267

PLEASE PAY  
THIS AMOUNT

\$13,548 00

(PLEASE RETURN THIS COPY WITH YOUR REMITTANCE)

UCCNHT0003340



SCA Chemical Services Inc  
Model City Facility  
P O Box 200  
1550 Balmer Road  
Model City New York 14107  
716/754-8231

June 20, 1986

**UMETCO MINERALS CORPORATION**  
Accounting Department  
P.O. Box 1029  
Grand Junction, Colorado 81502

Reference Cont.: #250-07117

Chemical Waste Management wishes to submit an invoice of \$13,548.00 for the disposal of 75.69 tons of vanadium slag removed from the Umetco site located at 137 47th Street, Niagara Falls, New York, on June 18, 1986

Attached please find three weight tickets verifying the tonnage of slag disposal at SCA/Chemical Waste Management, Model City, New York.

Sincerely,

**SCA CHEMICAL SERVICES, INC.**  
MODEL CITY FACILITY

Gary Shirley  
Technical Service Manager

RECEIVED  
JUL 11 1986  
UNION CITY

GS sls

RECEIVED  
JUN 26 1986

UCCNHT0003341



*SCA*  
CHEMICAL WASTE MANAGEMENT, INC.  
TECHNICAL SERVICE  
P O Box 200  
Model City, New York 14107

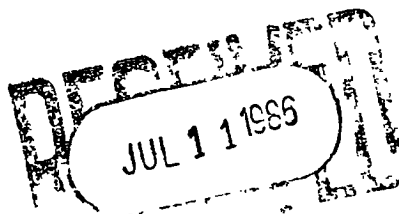
net 30 days

ALL PAST DUE AMOUNTS WILL BEAR IN  
TEREST AT TWO PERCENT PER MONTH OR  
THE MAXIMUM RATE ALLOWED BY LAW  
WHICHEVER IS LESS

Umetco Minerals Corporation  
Accounting Department  
P.O. Box 1029  
Grand Junction, Colorado 81502

CUSTOMER ACCOUNT NUMBER		
P.O. #250-07117		
INVOICE NUMBER	INVOICE DATE	PAGE
00558	6/30/86	

Disposal of 125 drums of Illmenite removed from Umetco site located  
at 137 47th Street, Niagara Falls, New York on 6/19/86 and 6/20/86



*Handwritten:*  
100%  
7-21-86

REMIT TO  
ADDRESS

P O Box 8000 Dept 660  
Buffalo, New York 14267

PLEASE PAY  
THIS AMOUNT

\$14,200

(PLEASE RETURN THIS COPY WITH YOUR REMITTANCE)

UCCNHT0003342



SCA Chemical Services Inc  
Model City Facility  
P O Box 200  
1550 Balmer Road  
Model City, New York 14107  
716/754-8231

June 30, 1986

Umetco Minerals Corporation  
Accounting Department  
P.O. Box 1029  
Grand Junction, Colorado 81502

Dear Sir.

Chemical Waste Management wishes to submit an invoice of \$14,200.00 against P.O #250-07117 for the disposal of 125 drums of Illmenite, (Hazardous Waste Chemical), removed from the Umetco site located at 137 47th Street, Niagara Falls, New York, on 6/19/86 and 6/20/86.

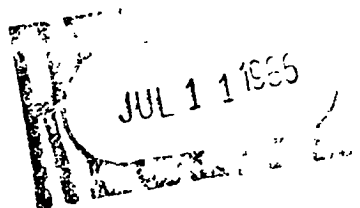
Please do not hesitate to contact me if I can be of further assistance.

Sincerely,

SCA CHEMICAL SERVICES, INC.  
MODEL CITY FACILITY

  
Gary Shirley  
Technical Service Manager

GS.sls



UCCNHT0003343